Street Trees

Abbrev	Species Name	Common Name	Height	Girth	Rootzone	General Specification
Ac cs	Acer campestre 'Streetwise'	Field Maple 'Streetwise'	500-550cm	25-30cm	RB	Semi-mature; 4x; Clear Stem min. 200cm
Am lA	Amelanchier lamarckii	Snowy Mespilus	425-600cm	18-20cm	RB	Extra Heavy Standard; 3x; Clear stem 175-200cm
Be pf	Betula pendula 'Fastigiata'	Fastigiate Silver Birch	450-500cm	18-20cm	RB	Extra Heavy Standard; 3x; Clear Stem min. 200cm

Ornamental Shrubs

Abbrev	Species Name	Common Name	Height	General Specification	Density (/m²)
Pr ol	Prunus laurocerasus 'Otto Luyken'	Cherry Laurel 'Otto Luyken'	40-60cm	Bushy: 6 brks: RB	2

Ornamental Specimen Shrubs

Abbrev	Species Name	Common Name	Height	Pot Size	General Specification	Density (/m²)
Hy ap	Hydrangea anomala petiolaris	Climbing Hydrangea	40-60cm	2L	Caned: Several Shoots: 2 brks: C	As shown

Ornamental Planting Mix - S1

Abbrev	Species Name	Common Name	Pot Size	General Specification	Density (/m²)	Percentage
Br JF	Brunnera macrophylla 'Jack Frost'	Siberian Bugloss 'Jack Frost'	2L	Full Pot: C	3	35%
Eu ar	Euphorbia amygdaloides robbiae	Mrs Robb's Bonnet	2L	Full Pot: C	5	30%
Po se	Polystichum setiferum	Soft Shield Fern	1.5-2L	Full Pot: C	4	35%

Ornamental Planting Mix - S2

Abbrev	Species Name	Common Name	Pot Size	General Specification	Density (/m²)	Percentage
Pa tV	Pachysandra terminalis 'Veriegata'	Variagated Japanese Spurge	2l	Full Pot: C	4	30%
Po sH	Polystichum setiferum 'Herrenhausen'	Soft Shield Fern 'Herrenhausen'	1.5-2L	Full Pot: C	4	40%
Vm GJ	Vinca minor f. alba 'Gertrude Jekyll'	Lesser Periwinkle 'Gertrude Jekyll'	1.5L	Full Pot: C	6	30%

Ornamental Planting Mix - PM1 (600mm wide timber planting bed)

Species Name	Common Name	Height	Pot Size	General Specification	Density (/m²)	Percentage
Anemone hupehensis	Chinese anemone	-	2L	Full Pot: C	4	10%
Anemone x hybrida 'September Charm'	Japanese anemone 'September Charm'	-	2L	Full Pot: C	4	10%
Bergenia cordifolia	Heart-lead bergenia	-	2L	Full Pot: C	5	15%
Clematis 'Barbara Jackman'	Clematis 'Barbara Jackman'	60-80cm	2L	Caned; Several Shoots; 2 brks	1	20%
Galanthus 'James Backhouse'	James Backhouse 'Snowdrop'	-	-	Grade $\frac{3}{3}$	-	20%
Hakonechloa macra	Japanese forest grass	-	2L	Full Pot: C	4	15%
Vinca minor f. alba 'Gertrude Jekyll'	Small white periwinkle 'Gertrude Jekyll'	-	1.5L	Full Pot: C	6	10%

Ornamental Planting Mix - PM2 (Southern edge)

Species Name	Common Name	Height	Pot Size	General Specification	Density (/m²)	Percentage
Bergenia cordifolia	Heart-leaf bergenia	-	2L	Full Pot: C	5	15%
Clematis 'Silver Moon'	Clematis 'Silver Moon'	60-80cm	3L	Caned; Several shoots; 2 brks	1	20%
Heuchera 'Fireworks'	Alum root 'Fireworks'	-	5L	Full Pot: C	1	10%
Sarcococca hookeriana var. digyna	Sweet box	20-30cm	2L	Bushy; 4 brks	4	15%
Skimmia japonica 'Rubella'	Skimmia 'Rubella'	30-40cm	5L	Bushy; 4 brks	3	10%
Pachysandra terminalis	Japanese spurge	-	1.5L	Several shoots; 5 brks	5	20%
Vinca minor f. alba 'Gertrude Jekyll'	Small white periwinkle 'Gertrude Jekyll'	-	1.5L	Full Pot: C	6	10%

Ornamental Planting Mix - PM3 (Eastern edge)

Species Name	Common Name	Height	Pot Size	General Specification	Density (/m²)	Percentage
Allium hollandicum 'Purple Sensation'	Dutch garlic ' Purple Sensation'	-	2L	Full Pot: C	-	30%
Carex morrowii 'Ice Dance'	Sedge 'Ice Dance'	-	2L	Full Pot: C	6	10%
Lonicera crassifolia 'Little Honey'	Creeping honeysuckle 'Little Honey'	-	2L	Bushy; 3 brks	3	20%
Thymus vulgaris	Common thyme	-	2L	Full Pot: C	4	20%
Vinca major	Variegated Greater Periwinkle	20-30cm	1.5-2L	Several Shots; 3 brks	5	10%
Campanula betulifolia	Brich-leaved bellflower	-	2L	Full Pot: C	4	10%

Ornamental Planting Mix - PM4

Species Name	Common Name	Height	Pot Size	General Specification	Density (/m²)	Percentage
Bergenia cordifolia	Heart-lead bergenia	-	2L	Full Pot: C	5	15%
Cordyline australis	New Zealand Cabbage Palm	40-60cm	3L	Leader	-	15%
Hydrangea macrophylla 'Veitchii'	Hydrangea 'Veitchii'	20-30cm	2L	Branched; 3 brks	3	20%
Mentha pulegium	Pennyroyal	-	2L	Full Pot: C	4	20%
Gaura lindheimeri 'Siskiyou Pink'	Gaura 'Siskiyou Pink'	-	2L	Full Pot: C	4	15%
Thymus serpyllum 'Snowdrift'	Creeping thyme 'Snowdrift'	-	5L	Full Pot: C	1	15%

Abbreviations:
Abbrev: Abbreviations
RB: Root ball
brks: breaks
L: Litre

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PROTECTION OF EXISTING VEGETATION

1. Existing trees and vegetation to be retained shall be protected by fencing as set out in BS 5837:2012. Fencing shall be erected prior to commencement of construction works and maintained during building operations. Protective fencing shall be removed once construction has been completed. Refer to arboricultural survey and recommendations.

PLANTING NOTES

2. Plant material to conform to the National Plant Specification. Plant handling and planting operations to be in accordance with HTA 'Handling and Establishing Landscape Plants', Parts I-III.
3. Imported topsoil (if required) to BS 3882 Multi Purpose Grade and from an approved source. Existing topsoil shall be fertile with maximum 35% clay content and 5% minimum organic content, pH 5.8 - 7.5 and to be free of perennial weeds, weed seeds and contamination. Maximum stone content 20% (20mm particle size), maximum size of stones 50mm in any direction. Existing topsoil to be ameliorated and/or screened if necessary to achieve this specification.
4. In accordance with BS 3882:2007, topsoil depths should not exceed 300mm to top of planting areas. Remainder of rooting zones to be filled with suitably loosened subsoil. For shrub planting areas: allow for 600mm rooting zone. For tree planting: allow for 900mm rooting zone.

Trees

5. Tree pits in soft landscape areas: Standard (extra heavy) 1200mm diameter x 600mm depth. Standard (selected) and feathered 600mm diameter x 600mm depth. Trees to be supported by 2no. 75mm diam. tree stakes cut approximately 600mm above ground level and 2no. adjustable tree ties.
6. Tree pits in hard landscape areas: Root ball to be anchored within Deep Root Silva Cell suspended pavement system under pavement.
7. All trees to be fitted with aeration/watering pipe and inlet.
8. Root barriers to be installed where trees are to be planted in proximity to buildings and services. Locations of services to be verified on site.
9. Barton Willmore advise that all root cells and proprietary products shall be checked and adapted on Site prior to the installation of the trees and in accordance with manufacturers guidance. An absolute minimum of 1000mm depth from top of kerb to top of root cells shall be kept to ensure sufficient space is provided for the root balls of the trees.

Planting Beds

10. Soil conditioner: Sanitized and stabilised compost to BSI PAS 100. Apply 75mm depth even coverage and incorporate into topsoil during cultivation operations, to a minimum depth of 150mm. Compost to be Compost Association certified, or from an approved supplier conforming to this specification.
11. Shrubs to be planted in pits 150mm wider and 75mm deeper than root spread backfilled with excavated topsoil/compost, mixed with 'Sierrablen Flora' slow release fertiliser, quantity in accordance with manufacturer's recommendations.
12. All planting beds to be mulched with matured coniferous bark, with an even particle size between 5-35mm, to a minimum depth of 75mm over weed free soil after completion of all planting and watering operations.

Planters

13. Woodscape Modular Planter System of naturally Very Durable Hardwood timber with base and holes to take fork lift (or similar approved) shall be used. Dimensions: w:600mm x l: 1600mm x h:980mm
14. All areas of planting shall include water - retaining granules. The addition of granules does not replace the need for regular checking of container plants for watering needs, especially when the plants are growing strongly and during dry weather. In the planter: the granules shall be added during re-potting the planter or when planting up a new container. For plants in the ground: Mixing in plenty of organic material such as composted garden waste is more effective than adding water-retaining granules to the soil. The product instructions shall be followed as different quantities of the product are needed for different purposes.

Climbers Support

15. All climbers shall be supported by GreenBlue Urban Series 60 Bracket type or similar approved for climbing plants. The wires shall stand off from the wall 60mm and shall be placed 30 - 45cm apart with the lowest wire 30cm above soil level.

Planting

16. Trees and shrubs: Late October to late March
Evergreens: September/October or April/May
Herbaceous plants: September/October or March/April
Container grown plants: At any time if ground and weather conditions are favourable

LANDSCAPE MANAGEMENT PLAN
Establishment and Maintenance Period (Years 1-5)

Pruning

1. All dead, damaged or diseased tree branches shall be removed and arisings removed from site. Trees shall be pruned regularly and in the appropriate season (autumn and winter) to maintain health, size and to avoid the dieback effect. Shrubs shall be pruned in the appropriate season to maintain health and vigour and to prevent encroachment on paths/ car parking areas etc. Flower shrubs and herbaceous plants shall be dead-headed at the end of the flowering season. Clematis species shall be pruned in late winter or early spring (February) and after the first flush of flowers early summer.

Planting

2. All areas of planting shall be maintained, to include:
    - Ample irrigation;
    - Weed control (herbicide application or hand weeding);
    - Litter picking;
    - Application of an appropriate fertiliser in spring in Years 1, 2 and 3;
    - Topping up of mulch; and
    - Checking condition of tree stakes, ties and guys.
- All underground tree guying, tree stakes and ties shall be inspected during the growing season and adjusted as necessary to ensure that they are secure and firm and that the ties are not chaffing the stem of the trees. Stakes and ties shall be removed and disposed of when trees become self supporting.
- Planting shall be maintained to ensure weeds are controlled and excessive growth is controlled to prevent encroachment into private and public highway.
- Planting which fails to thrive or dies during the 5 year establishment period shall be replaced within the next suitable planting season.

Long Term Management Plan

General

- All soft and hard landscaping shall be inspected annually by the Landscape Contractor and an approved arboriculturist and tree works carried out as necessary to ensure the continued health and safety of the trees. Regular weed control and litter picking operations will be required.
- Timber planters shall be inspected every 6 months and according to the supplier's recommendations.
- All of the ornamental Planting Mixes besides PM2 and PM3 shall be maintained by the landowner of the Commercial Centre Site (Clarion). Ornamental Planting Mix PM2 shall be maintained by the Site wide maintenance company / Camland and the Ornamental Planting Mix PM3 to be maintained by Clarion.

The scaling of this drawing cannot be assured

Revision		Date	Drn	Ckd
A	Update on planting mixes and maintenance notes	19.07.21	DK	JM
B	Update on root cells	29.07.21	DK	JM

Project
Ebbsfleet Commercial Centre, Ebbsfleet

Drawing Title
Landscape Schedule and Notes

Date	Scale	Drawn by	Check by
09.07.2021	NTS@A1	DK	JM

Project No	Drawing No	Revision
26592	L5	B

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